



UNITED STATES PATENT AND TRADEMARK OFFICE

sm
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/917,959	07/30/2001	Tomoyuki Taguchi	JP920000005US1 (14606)	9354

7590 01/14/2004

STEVEN FISCHMAN, ESQ.
SCULLY, SCOTT, MURPHY AND PRESSER
400 Garden City Plaza
Garden City, NY 11530

EXAMINER

CHAN, EMILY Y

ART UNIT	PAPER NUMBER
----------	--------------

2829

DATE MAILED: 01/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/917,959	TAGUCHI, TOMOYUKI	
	Examiner	Art Unit	
	Emily Y Chan	2829	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 11-03-03.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1-16 remain for examination.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

1. Claims 1-2 and 13-14 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The added limitation in claim 1-2 that “applying pulse signals from each of the two ends of said plurality of storage capacitor lines to said plurality of storage capacitors” is not fully supported by the specification. Even though paragraph [0036] of the specification mentions that “the pulse signals Vcs are applied from the both ends of the Cs line 13” but it is never explained in the specification to supply the pulse signals Vcs from the each of the two ends of the plurality of storage capacitor lines 13 to the plurality of storage capacitors 24.

The added limitation in claims 13-14 that “a pulse signal generation device connected to each of the two ends of said storage capacitor lines” is not supported by the specification and shown in drawings as claimed now because Fig. 1 of the drawings

Art Unit: 2829

shows that pulse signal generation device (12) is connected to only one end of the storage capacitor line 13.

2. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al ('030) in view of Tomitan ('061).

Suzuki et al ('030) in view of Tomitan ('061) are applied to the claims for the same reason as stated in paragraph 3 of last office action dated on July 30, 2003.

With respect to the amended feature that "applying pulse signals from each of the two ends of said plurality of storage capacitor lines to said plurality of storage capacitors", Tomitan ('061) does teach "applying pulse signals from each of the two ends of said plurality of storage capacitor lines (52) to said plurality of storage capacitors (61) as claimed since Tomitan ('061) teaches his plurality of storage capacitors (61) are multi-connected to one capacitor line (52) in parallel (see Fig 1) which is similar to applicant's circuitry shown in Fig. 8.

3. Claims 13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al ('030) in view of Tomitan ('061).

Suzuki et al ('030) and Tomitan ('061) are applied to the claims for the same reason as stated in paragraph 3 of last office action dated on July 30, 2003.

With respect to the amended feature that a pulse signal generating device is connected to each of the two ends of the storage capacitor lines, Tomitan ('061) does teach a pulse signal generating device (21) is connected to each of the two ends of the storage capacitor lines in order to apply the pulse signals respectively to the plurality of storage capacitors (61) as claimed since Tomitan ('061) teaches his plurality of storage

Art Unit: 2829

capacitors (61) are multi-connected to one capacitor line (52) in parallel and the pulse signal generating device (21) is connected to the plurality of storage capacitor lines (52) (see Fig 1) which is similar to applicant's circuitry shown in Fig. 8.

4. Claims 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al ('030) in view of Tomitan ('061) as applied to claims 13-14 above, and further in view of Takahashi et al ('300).

Suzuki et al ('030), Tomitan ('061) and Takahashi et al ('300) are applied to the claims for the same reason as stated in paragraph 3 of last office action dated on July 30, 2003.

Response to Arguments

5. Applicant's arguments filed 11-23-03 have been fully considered but they are not persuasive.

Applicant has amended independent claims 1-2 to recite a new limitation of applying pulse signals from each of the two ends of the plurality of storage capacitor lines to the plurality of storage capacitors.

Applicant has amended Independent claims 13-14 to recite a new limitation that a pulse signal generating device is connected to each of the two ends of the storage capacitor lines.

Applicant has asserted that none of Suzuki et al ('030), Tomita ('061) and Takahashi et al ('300) discloses or teaches this new limitation. The examiner disagrees for the reasons as follows:

1. The new limitation in claims 1-2 and 13-14 was not shown in the drawings and not described in specification (see paragraph 1 above).

2. In contrary to the applicant's assertion, Tomita ('061) does teach the new limitation (See the reason stated above).

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Conclusion

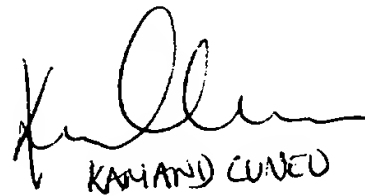
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emily Y Chan whose telephone number is 7033056123. The examiner can normally be reached on 8:30-5:30.

Art Unit: 2829

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cuneo Kammie can be reached on 7033081233. The fax phone number for the organization where this application or proceeding is assigned is 7038729306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 7022056123.

EC
1-8-04



KAMMIE CUNEO